

base of the petals towards their extremity. Indeed, nearest to their base, within the first third of their length, there is a large irregular spot of an intense yellow; about the middle of their length there follows a narrower cross band of red color, vermilion towards the base, intensely pink towards the outside, not reaching the margin of the petals, sometimes dissolved into several separate spots; lastly, beyond the middle of the length of the petals there are three to eight smaller roundish spots of a paler violet pink color. The flowers of *Veronica chamædryis* prove that also gay blue colors are perceived and selected by *Ascia*.—HERMANN MULLER in *Nature*.

CAREX SULLIVANTII.—Mr. E. C. Howe, of Yonkers, West Chester Co., N. Y., writes that he has collected during the present season several specimens of the above *Carex*, and would like to exchange them for some Western Carices, such as *C. Shortiana*, *C. Meadii*, *C. Bebbii*, *C. crus-corvi*, *C. conjuncta*, *C. muricata*, *C. cephaloidea*, or *C. Fraseriana*.

CROSS FERTILIZATION OF BAPTISIA TINCTORIA.—Prof. W. W. Bailey writes in reference to *B. tinctoria* that it is cross fertilized by humble bees. Their weight on the keel causes a quick and decided lateral deflection of the wings, exposing the andrœcium. A careful study of this mechanism would be very interesting.

DOWNINGIA PULCHELLA.—In a field east of San Jose I saw last June at least five acres completely carpeted with *Downingia pulchella*. The nearly level ground had been sown with wheat which the April flood "drowned out" in the lowest places. In September the same ground will be covered with cocklebur.

The rare *Mentzelia Lindleyi* is abundant near Alum Rock, seven miles east of San Jose.—V. RATTAN, *San Francisco, Cal.*

NEW LOCALITY FOR SULLIVANTIA OHIONIS.—Happening to spend a day in the eastern part of Cass county, Indiana, I found on the limestone bluffs overhanging Pipe Creek, just before its junction with the Wabash River, *Sullivantia Ohionis* in abundance. The general conformation of the country and the relative situation of *Sullivantia*, are almost exact counterparts of the station in Jefferson Co., Indiana, with the single exception that the bluffs are not nearly so high. The exposure and character of the soil seem to be identical.—M. S. COULTER, *Logansport, Ind.*

SCIENCE.—A Weekly Record of Scientific Progress. Illustrated. We have received the initial number of the above journal, which claims to "occupy a field in periodical literature hitherto unoccupied," "and the only first class weekly Journal in the United States devoted to science, recognized by scientists as their medium of communication." Furthermore, all desiring to keep "au courant", or rather